



H-CPF PTFE Coated Filter Housing

Corrosive Chemical Resistant

H-CPF PTFE Coating Filter Housing is compatible with all kinds of corrosive fluids in fine chemical applications. Fluid contact area is composed of PTFE and it solves chemical compatibility issues with stainless steel filter housings, especially for aggressive acids.



The filter housing is customizable for flow rate requirements.

Material of Construction

All Surfaces	Outer: carbon steel; Internal: PTFE coated
Internal Surface (Fluid Contact Area)	PTFE
Legs	Carbon Steel
O-ring/Gaskets	PTFE

Operating Conditions

Design Pressure	0.6 Mpa
Max. Operation Temp	150°C

Chemical Compatibility

Fluids	PTFE
Nitric Acid (conc.)	R
Sulfuric Acid (conc.)	R
Sodium Hydroxide (conc.)	R
THF	R
TFA	R

R= Recommend NR= Not Recommend



H-CCF Single-Round Industrial Liquid Filter Housing

Casting and Easy Installation

H-CCF Filter Housing features a top-inlet and top-outlet, which allows for easy fitting with various connections and adaptors.



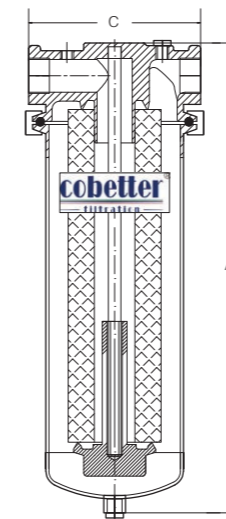
The housing body is sanitary grade and has a finished polishing of Ra < 0.6µm. This makes it suitable for various applications. Since the housing is a compact structure, the top of the filter housing can be fixed to the connection tube. To replace the filter, please twist the body. This ensures that there is no liquid spillover during the replacement process.

In addition, the drain valve located on the bottom of the filter housing allows for easy drainage.

Design Features

- Top inlet and top outlet can be connected by the tube
- No liquid spillover when replacing the filter cartridges
- Drain valve on the bottom is easy to drain
- Design allows for safe sealing

Surface Finish	Polishing Type	Base: Cast Housing body: Mechanical Polished
	Surface Option	Internal Ra: 0.38µm; External Ra: 0.4µm
Material of Construction	All surfaces	304 / 316L
	Drain	304 / 316L
	O-ring / Gaskets	Silicon, Viton, EPDM, PTFE
Operating Conditions	Max. Differential Pressure	0.6Mpa (6bar)
	Max. Temperature	90°C (194°F) / Design Temperature: 140°C
Connection	Body Connection	Tri-clamp
	Inlet / Outlet	3/4"FNPT
	Drain	1/2"NPT



	1 round 5"	1 round 10"	1 round 20"
A	250	375	625
C	110	110	110

Ordering Information

H-CPF	Number of Filter	Filter Length	Material	Endcap	Housing Body Connection	Inlet/outlet	Sealing Material	Design Pressure	Design Pressure	Application
	1	05	C	I	F	F	F	Q	X	P
	1 1 round	05 5 inch	C carbon steel coated with PTFE	T 222	F Flange	F Flange	F PTFE	Q PTFE	X 0.6MPa Y 1.0MPa	P Pharmaceutical F Food and Beverage C Chemical
	3 3round	10 10 inch	F 304 coated with PTFE		L Screwed Connection					
	5 5round	20 20 inch								
	7 7round	30 30 inch								
	...	40 40 inch								

Ordering Information

H-CCF	Number of Filters	Filter Length	Material	End Cap	Housing Connection	Inlet / Outlet	Sealing Material	Surface Finish	Design Pressure	Application
	1	05	F	S	I	G3/4	S	S	X	P
	1 1 round	10 10 inch 20 20 inch 30 30 inch	F 304 S 316L	S 226 T 222 D DOE	T Tri-clamp	G3/4 FNPT3/4	S Silicone E EPDM V Viton F PTFE	S Brushed	X 0.6MPa	P Pharmaceutical F Food and Beverage C Chemical

